

# J. ARCHER HARRIS

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## WORK ADDRESS

Dept of Computer Science, MSC 4103  
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## EDUCATION:

PhD (Computer Science): SUNY at Stony Brook, 09/78.  
MS (Computer Science): SUNY at Stony Brook, 12/75.  
BS (Mathematics) with Honors: Denison University, 05/73.  
High School Teaching Certification (Mathematics), Ohio, 1973.

## EXPERIENCE:

James Madison University, 08/85 - Present:

Professor, 08/02 - Present.

Associate Professor, 07/90 - 08/02.

Assistant Professor, 08/85 - 07/90.

Undergraduate Program Coordinator, 08/99 - 12/04

Telecommunications Program Coordinator, 08/98 - 05/99.

Speaker of the Faculty Senate, 05/97 - 04/99.

Graduate Program Coordinator, 08/92 - 5/98.

Laboratory Coordinator, 08/85 - 08/93.

VisionPlus Software and Consulting, 08/84 – Present,

Founder and Principal.

Services provided to organizations such as: Tandon Corporation, U.S. Immigration and Naturalization Service, BDS Corporation, Comsonics, TransAmerica Telemarketing, Shenandoah Electronic Intelligence, and the law firm of Keeler Obenshain.

Southern Illinois University, 09/78 - 05/85:

Assistant Professor.

New York Institute of Technology, 01/78 - 05/78:

Instructor

SUNY at Stony Brook, 09/73 - 08/78:

Teaching Assistant

## INTERESTS and SPECIALITIES:

Operating Systems (particularly unix/linux), Networking, Programming Languages (including C++), Computer Organization, Website Design.

## PROFESSIONAL AFFILIATIONS:

AAUP, ACM, ΥΠΕ (Upsilon Pi Epsilon, Computer Science Honor Society).

## CITIZENSHIP:

USA

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## PUBLICATIONS and PRESENTATIONS:

Harris, A., Adams, E., and Harris, N., "Making Program Grading Easier (But Not Totally Automatic)", *The Journal of Computing Sciences in Colleges*, Volume 20, Number 1, October 2004.

Harris, A., "OPA: A One-time Password System", *Proceedings of The 2002 ICPP Workshop on Trusted Computer Paradigms*, August 2002.

Harris, J. Archer, "*Schaum's Outline Series Theory and Problems of Operating Systems*", McGraw-Hill, October 2001.

Harris, A., Session Chair for "Business Perspectives on Higher Education", *Forum on Higher Education: Critical Issues for Virginia's Next Generation*, Roanoke, Virginia, October 1997.

Harris, A., "A Graduate Certificate in Computer Networks", presented at *Integrate '97*, May 1997.

Harris, A., Cordani, J., Mata-Toledo, R., and Reynolds, C., "An Internet-based Master's Program in Information Security", presented by Dr. Reynolds at *The first ACM workshop in Computer Security*, Monterrey, California, January 1997.

Harris, A., and Gingerich, G., "Design and Implementation of a Network Account Management System", *Proceedings of The Tenth Systems Administration Conference*, October 1996.

Harris, A., "Organizing Network File Storage", presented to *Shenandoah Valley Network Managers Group*, February 1996.

Harris, A., "A Guide to UNIX Workstation Security", Technical Report, Office of Information Technology, James Madison University, 1994.

Harris, A., "Performance of a XENIX Distributed File System", *Proceedings of The 13th Conference on Local Computer Networks*, October 1988.

Harris, A., "A Microprogramming Project for a Course in Computer Systems", *SIGCSE Bulletin*, June 1988.

Harris, A., "Local-Only Variables in Pascal", *Journal of Pascal and Ada*, April 1983.

Harris, A., and Smith, D., "Simulation Experiments on a Tree Organized Multicomputer", *Proceedings of The Sixth Annual Symposium on Computer Architecture*, April 1979, pp. 83 – 89.

Harris, A., and Smith, D., "Hierarchical Multiprocessor Organizations", *Proceedings of The Fourth Annual Symposium on Computer Architecture*, March 1977, pp. 41 – 48.

Harris, A., "Computer Structure Language", *Proceedings of The 1975 International Symposium on CHDL and Applications*, Sept. 1975, pp. 153 – 160.

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## GRANTS

Eltoweissy, M. (principal investigator), Internet Teaching Laboratory valued at \$368,000, Cooperative Association for Internet Data Analysis (CAIDA), 2000.

Tandon Ad-Pak Disk Systems valued at \$5,000, Tandon Corporation, 1990.

Network Support valued at \$31,680, Intel Corp., 1989

## COPYRIGHTED SOFTWARE

*OPA*, a one-time password system for Linux.

*Tripwyre*, a variant of the *tripwire* file integrity checker.

*NAMS*, a network account management system.

*Sim*, a machine simulator for the micromachine described in the book "Structured Computer Organization" by Tanenbaum.

*Hed*, a screen editor based on the UNIX editor *ed*.

A XENIX device driver for a Tandon disk drive.